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rial to consist principally of fresh-water Diatomaceæ cemented together with some hydrocarbon.

An analysis of the caoutchouc had been forwarded to him, which was as follows:—

Moisture	.	.	.	.	.	.	0.4682
Carbon	.	.	.	.	.	.	64.7300
Hydrogen	.	.	.	.	.	.	11.6300
Ash	1.7900
Fixed carbon	1.0050
Oxygen and other unestimated matters	20.3768
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MARCH 13.

The President, Dr. RUSCHENBERGER, in the chair.

Thirty-two members present.

Papers entitled "Notes on Genera Acidaspis, Murchison, Odontopleura, Emmrich, and Ceratocephala, Warder," by A. W. Vogdes, and "Chemical Notes," by Geo. Hay, were presented for publication.

The death of Frank W. Lankenau was announced.

Evolutionary Law as illustrated by Abnormal Growth in an Apple Tree.—Mr. THOMAS MEEHAN exhibited some branches of a "Smoke-house" apple tree, which had the cluster of flowers at the end of a young shoot, flowering after the leaves and growth had matured, instead of blooming in spurs early in spring, and simultaneously with the expansion of the leaves, as in ordinary cases. There were numerous instances of the normal and abnormal growths on the same tree, the abnormal ones flowering about six weeks after the normal ones, but both classes maturing the fruit at about the same time in the fall. He explained that physiologically there was but a slight difference between what was known in the botanies as plants which bloom from last season's wood, and plants which flower from the growth of the same year. In the case of the former the spirals are closely appressed, as could be seen by examining the old apple spurs exhibited. The scars where the leaves or their equivalent bud scales had existed were so close together that there were scarcely any internodes. In the case of that class which flower from the growth of the same year, it was simply that the spirals closely appressed in the spurs were now drawn out. In these apple branches there were from six to nine internodes before the clusters of flowers were borne.

The point he wished particularly to draw attention to was that when there was a change in one important character, there was often change in others making a complete set of characters which